

Notice of Allowability

Application No.

10/525,051

Examiner

Roy M. Punnoose

Applicant(s)

MOSHE, DANNY S.

Art Unit

2886

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 03/16/2007.
2. ☒ The allowed claim(s) is/are 21-93.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on 03/16/2007 is acknowledged and has been entered into the records. The Examiner has accepted applicant's amendment. Claims 1-20 have been cancelled previously. Claims 21-93 are currently pending in the application.

Allowable Subject Matter

2. Claims 21-93 are allowable.

3. Claim 21 is allowable because, prior art of record taken alone or in combination, fails to disclose or render obvious a method for electro-optically inspecting and determining internal properties and characteristics of a longitudinally moving rod of material comprising the steps of guiding the longitudinally moving rod of material along its longitudinal axis by a rod guiding unit along an optical path within a transparent passageway that coaxially extend along said longitudinal axis of the moving rod of material and pass through an electro-optical transmission module, and generating a focused beam of electromagnetic radiation by an illumination unit of said electro-optical transmission module so that the focused beam is transmitted through a first side of said transparent passageway and incident upon the rod of material longitudinally moving within said transparent passageway, in combination with the rest of the limitations of claim 21.

4. Claims 22-51 are allowable because they are dependent on independent claim 21 or an intermediate claim, and they include all the allowable limitations of the parent claim(s).

5. Claim 52 is allowable because, prior art of record taken alone or in combination, fails to disclose or render obvious a method for preventing, eliminating, or reducing, radially directed vibrating of a longitudinally moving rod of material during electro-optically inspecting the

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longitudinally moving rod of material comprising the steps of, guiding the longitudinally moving rod of material along its longitudinal axis by a rod guiding unit along an optical path within a transparent passageway, wherein the optical path and the transparent passageway coaxially extend along the longitudinal axis of the longitudinally moving rod of material and pass through an electro-optical inspection apparatus, and, generating a continuous vortical type of flow of gas within and along the transparent passageway by a vortex generating mechanism such that the flowing gas rotates as a vortex around the optical path and around the longitudinally moving rod of material and flows downstream within and along said transparent passageway, and flowing gas radially impinges upon the longitudinally moving rod of material to prevent, eliminate, or reduce, radially directed vibrating of the longitudinally moving rod of material, in combination with the rest of the limitations of claim 52.

6. Claim 53 is allowable because they are dependent on independent claim 52 and it includes all the allowable limitations of the parent claim.

7. Claim 54 is allowable because, prior art of record taken alone or in combination, fails to disclose or render obvious a device for electro-optically inspecting and determining internal properties and characteristics of a longitudinally moving rod of material comprising device for electro-optically inspecting and determining internal properties and characteristics of a longitudinally moving rod of material, comprising a rod guiding unit for guiding the longitudinally moving rod of material along its longitudinal axis, along an optical path within a transparent passageway, wherein the optical path and the transparent passageway coaxially extend along the longitudinal axis of the moving rod of material, and an electro-optical transmission module through which pass the optical path and the transparent passageway,

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wherein the electro-optical transmission module includes an illumination unit for generating a focused beam of electromagnetic radiation, so that said focused beam is transmitted through a first side of said transparent passageway and incident upon the rod of material longitudinally moving within said transparent passageway, in combination with the rest of the limitations of claim 54.

8. Claims 55-91 are allowable because they are dependent on independent claim 54 or an intermediate claim, and they include all the allowable limitations of the parent claim(s).

9. Claim 92 is allowable because, prior art of record taken alone or in combination, fails to disclose or render obvious a device for preventing, eliminating, or reducing, radially directed vibrating of a longitudinally moving rod of material during electro-optically inspecting the longitudinally moving rod of material comprising, a rod guiding unit for guiding the longitudinally moving rod of material along its longitudinal axis along an optical path within a transparent passageway, wherein the optical path and said transparent passageway coaxially extend along said longitudinal axis of the longitudinally moving rod of material and pass through an electro-optical inspection apparatus, wherein the rod guiding unit includes a vortex generating mechanism for generating a continuous vortical type of flow of gas within and along said transparent passageway so that said flowing gas rotates as a vortex around said optical path and around the longitudinally moving rod of material, and the flowing gas radially impinges upon the longitudinally moving rod of material to prevents, eliminate, or reduce, radially directed vibrating of the longitudinally moving rod of material,, in combination with the rest of the limitations of claim 92.

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10. Claim 93 is allowable because they are dependent on independent claim 92 and it includes all the allowable limitations of the parent claim.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact/Status Information

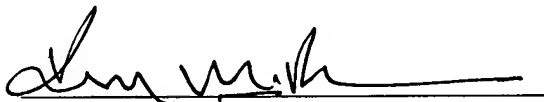
12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Roy M. Punnoose** whose telephone number is **571-272-2427**.

The examiner can normally be reached on 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Tarifur Chowdhury** can be reached on **571-272-2287**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 09, 2007


Roy M. Punnoose
Patent Examiner
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